

A6

The Scalable Infrastructure system uses a combination of a persistent store and agents to provide a communication system extensible to nearly all types of interfaces and any number of users and applications. The Scalable Infrastructure system defines Communities around the persistent store, or Space, with Space or non-Space oriented interpreters, referred to here as Double Agents. Double Agents will be discussed in more detail further.

JD  
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Please replace the paragraph starting on page 4, line 4<sup>3</sup>, with the following paragraph.

A7

A Community as used here will refer to a collection of these agents and a persistent store. Any type of persistent store could be used, with the capabilities of having objects inserted into the store such that they do not lose their attributes and of providing a notification service as the objects are inserted. In this particular example, JavaSpaces™ [technology] will be used as the persistent stores, but the Scalable Infrastructure system is applicable to any similar technology. For ease of discussion, the persistent stores will be referred to as "Spaces." Spaces can be used in several different implementations. and the following discussion is meant only as an example.

Please replace the paragraph starting on page 6, line 13, with the following paragraph.

A8

FIG. 4 shows a user's office, over which a network receiving agent according to the preferred embodiment of the invention can operate. In FIG. 4, network receiving agent 205 is coupled to Space 405, which is part of the Scalable Infrastructure system described above with reference to FIG. 1. Network receiving agent 205 is also connected to office 410. Recall that in the preferred embodiment, the office is represented as a URL. The URL is used when a network lurking agent is attempting to "lurk" by office 410. But network receiving agent 205 also receives sensor information from office 410 about devices in office 410, and about whether the user is in office 410. For example, in office 410, telephone 415 and video camera 420 can be seen. Network receiving agent 205 receives information from these devices as to whether they are operational and in use. For example, if video camera 420 is non-functional, network receiving agent 205 knows that the user cannot be contacted using video camera 420. Similarly, if the user is on one line of telephone 415, network receiving agent 205 knows that the user cannot be